| 1 1 4 5 1 4 1 | <br> | Claims |  |
|---------------|------|--------|--|
|               |      |        |  |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/640,747              | LU ET AL.                               |
| Examiner                | Art Unit                                |
| Luke Osborne            | 2123                                    |

| <b>√</b> | Rejected |
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| - | (Through numeral)<br>Cancelled |
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|              |  |  | <u> </u>   |  |              |          | J  |   |          | <u> </u>       |
|--------------|--|--|--|--|--------------|----------|--|---|----------|----------------|
| Cla          | aim                                    | Date   |  |  |              |          |  |   |          |                |
| J10          | i                                      | $\vdash$   | <del></del>                                      |  |              |          |  |   |          |                |
| <del>-</del> | Original                               | 6/22/07  |  |  |              |          |  |   |          |                |
| Final        | iĝi                                    | 122  |  |  |              |          |  |   |          |                |
|              | ō                                      | 9  |  |  |              | ļ        |  |   |          |                |
|              |  | 1  | <del>                                     </del> | <del>                                     </del> | <del> </del> | <u> </u> |  |   | _        | $\vdash\vdash$ |
|              | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8   | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \            | <u> </u>   |  |              | <u> </u> | <u> </u>   | _ | -        | $\vdash$       |
|              | 2                                      | 7  |  |  |              |          |  |   |          | $\vdash$       |
|              | 3                                      | V  |  | <u> </u>   |              |          |  |   |          | <del>  </del>  |
|              | 4                                      | ٧.   |  | ļ  |              |          | _  |   | <u> </u> |                |
|              | 5                                      | ν,   | <b> </b>   | <u> </u>   |              |          |  |   |          | Щ              |
|              | 6                                      | 1  |  |  |              |          |  |   |          | <u> </u>       |
|              | 7                                      | √.   | <u> </u>   | ļ  |              |          | _  | _ | _        | Щ              |
| u , 5, 1151  |  | 1  | <u> </u>   |  |              |          |  |   |          | Щ              |
|              | 9                                      | V  |  |  | _            |          |  |   |          | Щ              |
|              | 10                                     | V  |  | <u> </u>   |              |          |  |   |          |                |
|              | 11                                     | 1  |  |  |              |          |  |   |          |                |
|              | 12                                     | <b>√</b>   |  |  |              |          |  |   |          |                |
|              | 13                                     | 1  |  |  |              |          |  |   |          |                |
|              | 14                                     | 1  |  |  |              |          |  |   |          |                |
|              | 15                                     | 1  |  |  |              |          |  |   |          |                |
|              | 16                                     | √  |  |  |              |          |  |   |          |                |
|              | 10<br>11<br>12<br>13<br>14<br>15<br>16 | 1  |  |  |              |          |  |   |          |                |
|              | 18<br>19                               | 1  |  |  |              |          |  |   |          |                |
|              | 19                                     | 7  |  |  |              |          |  | - |          | П              |
|              | 20                                     | 1  |  |  |              |          |  | - |          | Н              |
| -            | 21                                     | 1  |  |  |              |          |  |   |          |                |
|              | 22                                     | 1  |  | _  |              |          |  |   |          | $\vdash$       |
|              | 23                                     |  |  |  |              |          |  |   | $\vdash$ | $\vdash$       |
| -            | 24                                     |  |  |  |              | _        | _  |   |          |                |
|              | 25                                     |  |  | <u> </u>   |              |          |  |   |          | $\vdash$       |
|              | 26                                     |  | $\vdash$   | ├  |              |          | <del>                                     </del> |   |          | $\vdash$       |
|              | 27                                     | -  |  |  |              |          |  |   |          | $\vdash$       |
|              | 28                                     | <del></del>                                      |  |  |              |          | <u> </u>   |   |          |                |
|              | 29                                     | <del> -</del>                                    |  |  |              |          |  |   |          | Н              |
|              |  | $\vdash$   |  |  |              |          |  |   | —        | $\vdash$       |
|              | 30                                     |  |  |  |              |          | _  |   |          | $\vdash$       |
|              | 31                                     | _  | _  |  |              |          |  |   |          | Н              |
|              | 32                                     |  |  |  |              |          |  |   |          | -              |
|              | 33                                     |  |  |  |              |          |  |   | _        |                |
|              | 34                                     |  |  |  |              |          |  |   |          |                |
|              | 35                                     | <del> </del> —                                   | _  | <u> </u>   | <b> </b>     |          |  |   |          | $\square$      |
|              | 36                                     | <del>                                     </del> |  |  |              |          |  |   |          | Н              |
|              | 37                                     |  |  |  |              | _        |  |   |          | $\mid - \mid$  |
|              | 38                                     | <b> </b> -                                       |  |  |              |          |  |   |          | $\sqcup$       |
|              | 39                                     | _  |  |  |              |          | <u> </u>   | ļ |          | $\square$      |
|              | 40                                     | ļ  |  |  |              |          |  |   |          | Ш              |
|              | 41                                     |  |  |  |              |          | ļ  |   |          | $\square$      |
|              | 42                                     |  |  |  |              |          |  |   |          |                |
|              | 43                                     |  |  |  | _            |          |  |   |          |                |
|              | 44                                     |  |  |  |              |          |  |   |          |                |
|              | 45                                     |  |  |  |              |          |  |   |          |                |
|              | 46                                     |  |  |  |              |          |  |   |          |                |
|              | 47                                     |  |  |  |              |          |  |   |          |                |
|              | 48                                     |  |  |  |              |          |  |   |          |                |
|              | 49                                     |  |  |  |              |          |  |   |          |                |
|              | 50                                     |  |  |  |              |          |  |   |          |                |
|              |  |  | ·—   | L  |              |          |  |   |          |                |

| Cla         | aim      |              |              |         | [                                      | Date         | <b>e</b>   |   | <del></del> |                 |
|-------------|----------|--------------|--------------|---------|--|--------------|--|---|-------------|-----------------|
|             | -        |              |              |         |  |              |  |   |             |                 |
| Final       | Original |              |              |         |  |              |  |   |             |                 |
| -           | 51       |              |              |         |  |              | _  |   |             |                 |
| <del></del> | 52       |              | <del> </del> |         |  |              | $\vdash$   | _ | $\vdash$    | H               |
|             | 53       | <del> </del> |              |         |  |              | <del>                                     </del> |   |             |                 |
|             | 54       |              |              |         |  |              | <b> </b>   |   |             |                 |
|             | 55       |              |              |         |  |              |  |   |             |                 |
|             | 56       |              |              |         |  |              |  |   |             |                 |
|             | 57       |              |              |         |  |              |  |   |             |                 |
|             | 58       | _            |              |         |  |              | _  |   |             |                 |
|             | 59       |              |              |         |  |              |  |   |             |                 |
|             | 60       |              |              |         |  |              | _  |   |             |                 |
|             | 61       |              |              |         |  |              |  | _ | _           |                 |
|             | 62<br>63 |              |              |         | _                                      |              |  |   |             |                 |
|             | 64       |              |              |         |  | <del> </del> | <u> </u>   |   |             |                 |
|             | 65       |              |              |         | _                                      |              |  |   |             | $\vdash$        |
|             | 66       |              |              |         |  |              |  |   | _           |                 |
|             | 67       |              |              |         |  |              |  |   |             |                 |
|             | 68       |              |              |         |  |              |  |   |             |                 |
|             | 69       |              |              |         |  |              |  |   |             |                 |
|             | 70       |              |              |         |  |              |  |   |             |                 |
|             | 71       |              |              |         |  |              |  |   |             |                 |
|             | 72       |              |              |         |  |              |  |   |             |                 |
|             | 73<br>74 |              |              |         |  |              |  |   |             | -               |
|             | 75       |              |              |         |  |              |  |   |             | $\vdash \vdash$ |
|             | 76       |              |              |         |  |              |  | — | _           |                 |
|             | 77       |              |              |         |  |              |  |   |             |                 |
|             | 78       |              |              |         |  |              |  |   |             |                 |
|             | 79       |              |              |         |  |              |  |   |             |                 |
|             | 80       |              |              |         |  |              |  |   |             |                 |
|             | 81       |              |              |         |  |              |  |   |             |                 |
|             | 82       |              |              |         |  |              |  |   |             |                 |
|             | 83       |              |              |         |  |              |  |   |             | Щ               |
|             | 84       |              |              |         |  |              |  |   |             |                 |
| <u> </u>    | 85<br>86 |              |              |         |  |              |  |   |             | $\vdash \vdash$ |
|             | 87       |              |              |         |  |              |  |   |             | H               |
|             | 88       |              |              |         |  |              | _  |   |             |                 |
|             | 89       |              |              |         |  |              |  |   |             |                 |
|             | 90       |              |              |         |  |              |  |   |             |                 |
|             | 91       |              |              |         |  |              |  |   |             |                 |
|             | 92       |              |              |         | -                                      |              |  |   |             |                 |
|             | 93       |              |              |         |  |              |  |   |             |                 |
|             | 94       |              |              |         |  |              |  |   |             |                 |
|             | 95       |              |              |         |  |              |  |   |             |                 |
|             | 96       |              | _            |         |  |              | ļ  |   |             |                 |
|             | 97<br>98 |              |              |         |  |              |  |   |             |                 |
|             | 99       |              |              |         |  |              |  |   | <u> </u>    | $\vdash \vdash$ |
|             | 100      |              |              |         |  |              |  |   |             | $\vdash \vdash$ |
| <u> </u>    | ,        | Ь            | —            | <b></b> | 'ـــــــــــــــــــــــــــــــــــــ |              |  |   |             | ш               |

| Te  | Cla          | aim           |   |              |  |             | Date |  |  |   |                        |
|---|--------------|---------------|---|--------------|--|-------------|------|--|--|---|------------------------|
| 101   |              |               |   |              |  |             |      |  |  |   | П                      |
| 101   | <del>-</del> | na            |   |              |  |             |      |  |  |   |                        |
| 101   | ri<br>Li     | rigi          |   |              |  |             |      |  |  |   |                        |
| 102   103   104   105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149   149   149   149   149   148   149   149   148   149   149   148   149   149   148   149   149   140   141   142   143   144   145   146   147   148   149   140 | _            | Ō             |   |              |  |             |      |  |  |   |                        |
| 102   103   104   105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149   149   149   149   149   148   149   149   148   149   149   148   149   149   148   149   149   140   141   142   143   144   145   146   147   148   149   140 |              | 101           |   |              | ┞─   |             |      |  |  |   |                        |
| 103   104     105   106     107   108     109   110     111   112     113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     147   148     149   149   |              | 102           |   |              |  |             |      |  |  | - |                        |
| 104     105     106     107     108     109     110     111     112     113     114     115     116     117     118     119     120     121     122     123     124     125     126     127     128     129     130     131     132     133     134     135     136     137     138     139     140     141     142     143     144     145     146     147     148     149   |              | 102           |   |              |  | ,           |      |  | <del></del>                                      | _ |                        |
| 105   106     107   108     109   110     111   112     113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     147   148     149   149   |              |               |   |              |  | -           |      | <del>                                     </del> |  |   |                        |
| 106   107     108   109     110   111     111   112     113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     147   148     149   149   |              | 105           |   |              |  |             |      | _  | <del> </del>                                     |   |                        |
| 107   108     109   110     111   111     112   113     113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     147   148     149   149   |              |               |   | <del> </del> |  |             |      |  |  |   |                        |
| 108   109     110   111     111   112     113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     149   149   |              | 107           |   |              |  | -           |      | _  |  |   |                        |
| 109   110     111   111     112   113     114   115     116   117     118   119     120   121     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     144   145     146   147     148   149   |              |               |   |              |  |             |      | <del></del>                                      |  |   |                        |
| 110   111     111   112     113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     144   145     146   147     148   149   |              |               |   |              |  |             |      |  |  | - | -                      |
| 111   112     113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     147   148     149   149   |              |               |   |              |  |             |      |  |  |   |                        |
| 112   113     114   115     116   117     118   119     120   121     122   123     124   125     126   127     128   129     130   131     132   133     133   134     135   136     137   138     139   140     141   142     143   144     145   146     147   148     149   149   |              | 111           |   |              |  |             |      |  |  |   |                        |
| 113   114     115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     149   149   |              | 112           |   |              |  |             | —    | $\vdash$   | -  |   |                        |
| 114   115     116   117     118   119     120   121     122   123     124   125     126   127     128   129     130   131     132   133     133   134     135   136     137   138     139   140     141   142     143   144     145   146     147   148     149   149   |              | 113           |   |              |  |             |      |  |  |   |                        |
| 115   116     117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     149   149   |              | 114           |   |              |  |             |      | <del></del>                                      |  |   |                        |
| 116   117     118   119     120   121     122   123     124   125     126   127     128   129     130   131     132   133     133   134     135   136     137   138     139   140     141   142     143   144     145   146     147   148     149   149   |              | 115           |   |              |  |             |      | -  |  |   |                        |
| 117   118     119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     149   149   |              | 116           |   |              |  |             |      | <del>                                     </del> | <del>                                     </del> |   |                        |
| 118   119     120   121     122   123     124   125     126   127     128   129     130   131     132   133     134   135     136   137     138   139     140   141     142   143     144   145     146   147     148   149   |              | 117           |   |              | $\vdash$   | -           |      | <b></b>  |  |   |                        |
| 119   120     121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     149   149   |              |               |   |              |  |             |      |  |  |   | $\vdash$               |
| 120   121     122   123     124   125     126   127     128   129     130   131     132   133     133   134     135   136     137   138     139   140     141   142     143   144     145   146     149   149   |              |               | - |              | <del>                                     </del> |             |      |  |  |   |                        |
| 121   122     123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     149   149   |              | 120           |   |              |  |             |      |  |  |   |                        |
| 122   123     124   125     126   127     128   129     130   131     132   133     133   134     135   136     137   138     139   140     141   142     143   144     145   146     149   149   |              |               |   |              |  |             |      | _  |  |   |                        |
| 123   124     125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     149   149   |              |               |   |              |  |             |      | _  |  |   |                        |
| 124   125     126   127     128   129     130   131     132   133     133   134     135   136     137   138     139   140     141   142     143   144     145   146     147   148     149   149   |              |               |   |              | _  |             |      |  |  |   |                        |
| 125   126     127   128     129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     148   149   |              |               |   |              |  | _           |      |  |  |   |                        |
| 126     127     128     129     130     131     132     133     134     135     136     137     138     139     140     141     142     143     144     145     146     147     148     149   |              |               |   |              |  |             |      |  |  |   |                        |
| 127   128     129   130     131   131     132   133     134   135     136   137     138   139     140   141     142   143     143   144     145   146     147   148     149   149   |              |               |   |              | _  | —           |      |  | _  |   | Н                      |
| 128   129     130   131     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     147   148     149   149   |              |               |   |              |  |             |      |  |  | - | ) <u></u>              |
| 129   130     131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     147   148     149   149   |              |               |   |              |  |             |      |  |  |   | $\vdash$               |
| 130   131     132   133     133   134     135   136     137   138     139   140     141   142     143   144     145   146     147   148     149   149   |              |               |   |              |  |             |      |  |  | - |                        |
| 131   132     133   134     135   136     137   138     139   140     141   142     143   144     145   146     148   149   |              |               |   |              |  |             |      |  |  |   |                        |
| 132   |              |               |   |              |  |             |      |  |  |   |                        |
| 133   |              |               |   |              |  |             |      |  |  |   |                        |
| 134   135     136   137     138   139     140   141     142   143     143   144     145   146     147   148     149   149   |              |               |   |              |  |             |      |  |  |   | $\vdash \vdash$        |
| 135     136     137     138     139     140     141     142     143     144     145     146     147     148     149   |              |               |   | <b></b>      |  |             |      |  |  |   |                        |
| 136   137   138   139   140   141   142   143   144   145   146   147   148   149   |              |               |   |              |  |             |      |  | _  |   | $\vdash$               |
| 137   138   139   140   141   142   143   144   145   146   147   148   149   |              |               |   |              |  |             |      | -  | <del>                                     </del> |   |                        |
| 138   139   140   141   142   143   144   145   146   147   148   149   |              |               |   |              |  |             |      |  |  |   | $\vdash$               |
| 139   140   141   142   143   144   145   146   147   148   149   |              |               |   |              |  | $\vdash$    |      | —  | <b>-</b>   |   | $\vdash$               |
| 140   141   142   143   144   145   146   147   148   149   |              |               |   |              |  |             |      | _  |  |   | $\vdash$               |
| 141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149   |              |               |   |              |  |             |      | -  | <del></del>                                      |   |                        |
| 142<br>143<br>144<br>145<br>146<br>147<br>148<br>149  |              |               |   |              |  |             |      |  | <b></b> -  |   |                        |
| 143   |              |               |   |              |  | <del></del> |      |  |  |   | $\mid - \cdot \mid$    |
| 144<br>145<br>146<br>147<br>148<br>149  |              |               |   |              |  |             |      |  |  |   | $\vdash \vdash$        |
| 145<br>146<br>147<br>148<br>149   |              |               | _ |              |  |             |      |  |  |   | $\vdash$               |
| 146<br>147<br>148<br>149  |              |               |   |              |  |             |      |  | $\vdash$   |   | $\vdash \vdash$        |
| 147   |              | $\overline{}$ |   |              |  |             |      |  |  |   |                        |
| 148   |              | -             |   |              | —  |             |      |  | <del>                                     </del> |   |                        |
| 149   |              |               |   |              |  |             | -    |  | <u> </u>   |   | $\vdash \vdash \vdash$ |
|   |              |               |   |              |  |             |      |  |  |   |                        |
|   |              |               |   |              |  |             |      |  |  |   |                        |
|   |              | 100           |   |              |  |             |      |  | L  | l | <b></b>                |